



# CAIT

Center for Advanced Infrastructure & Transportation  
Rutgers, The State University of New Jersey

NJDOT Bureau of Research  
QUARTERLY PROGRESS REPORT

Project Title:	New Jersey Local Congestion, Safety, & Security Initiative		
RFP NUMBER:		NJDOT RESEARCH PROJECT MANAGER: Nazhat Aboobaker/ Patty Leech	
TASK ORDER NUMBER: Task Order No. 132/4-26993		PRINCIPAL INVESTIGATOR: Ali Maher/Joe Orth/Claudia Knezek/Carol Greenberg	
Project Starting Date: 12/11/2002 <b>Original</b> Project Ending Date:12/11/2004 <b>Modified Completion Date:</b>		Period Covered: 2nd Quarter, 2004	

Task	% of Total	% of Task this quarter	% of Task to date	% of Total Complete
1.1 MPO Forum Study	5	40	40	2
1.2 Present NJDOT/FHWA	5	0	0	0
2.1 Survey Report	20	100	100	20
3.1 Crash Data Training	10	20	20	2
3.2 Safety Conscious Planning Forum	10	100	100	10
3.3 SCP Local Forums	20	50	50	10
3.4 Official Conference Proceedings	5	0	0	0
3.5 Promote Congestion Mitigation Locally	10	10	10	1
3.6 Introduce ITS Concepts	5	100	100	5
3.7 Provide Public Safety Training	5	20	20	1
Final Report	5	25	25	1.25
TOTAL	100%			52.25%

**Project Objectives:** Rutgers CAIT-LTAP will facilitate a clearinghouse partnership between the FHWA-NJ Division, NJDOT, county, and local governments for the following purposes:

1. Promoting local best practices that relate to Safety Conscious Planning
2. Supporting Safety Awareness that results in the reduction of roadway fatalities, development of a uniform resource dissemination system, and the creation of a statewide SCP Forum Network
3. Introducing SCP that enables locals to collect more accurate traffic data for responding to critical safety needs.
4. Training municipalities on preventing crashes on local roadways.
5. Identifying roles of local governments in emergency preparedness, as it relates to Safety Conscious Planning.

**Project Abstract:** The New Jersey Congestion, Safety, and Security Initiative was developed to support the FHWA's "vital few" strategic goals on local roadways through the provision of training outreach, coordination of information dissemination, and the development of a statewide network that values roadway safety as a major priority. In New Jersey, traffic volumes have impacted the mobility and safe travel of motorists on the state, county, as well as local roadway systems. This widespread congestion has increased the number of crashes and incidents each year, which also affects security and incident management initiatives. The national Safety Conscious Planning Model is being implemented at all levels of government, in order to support the improvement of roadway safety. A statewide Safety Forum is being organized through the Metropolitan Planning Organizations with Rutgers CAIT-LTAP providing specialized training in the use of crash data and roadway inventories. These tools and other technologies have been effective for implementing cost effective countermeasure treatments that improve local roadways where nearly 50% of all crashes occur annually.



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## 1. Progress this quarter by task:

Task	Description
1.1 MPO Forum Study	Preparation of the Forum Report
2.1 Survey Report	Municipal Data Collection has continued during this period. Sample has increased to 305 respondents (May 2004).
3.1 Crash Data Training	Participated in the following NJTR-1/Police Manual Meetings: 3/2/04 GIS/GPS Integration Meeting 3/16/04 - MMUCCs Integration 5/3/04 - Revision of NJTR-1 5/25/04 - Revision of NJTR-1
3.2 Safety Conscious Planning Forum	3/9/04 Forum Meeting 4/16/04 SCP Meeting 4/20/04 Transaction Presentation 5/5/04 Script Meeting 5/26/04 SCP Forum
3.5 Promote Congestion Mitigation Locally	3/17/04 – Work Zone Partnership Meeting 3/26-3/29 Life Savers Conference (Safe Communities) 4/1/04 - Work Zone Safety Conference
3.6 Introduce ITS Concepts	4/1/04 – Work Zone Safety Conference
3.7 Provide Public Safety Training	3/9-3/12 – Worker Safety Training 3/16-3/19 – TCC Training 4/6-4/9 – NJDOT TCC Training

## 2. Proposed activities for next quarter by task:

Task	Proposed Activities
1.1 MPO Forum Study	Develop Statewide Database of Roadway Safety Organizations by County
1.2 Present NJDOT/FHWA	
3.1 Crash Data Training	Continue to review NJTR-1 & organize training
3.2 Safety Conscious Planning Forum	Develop Website Review for local use
3.3 SCP Local Forums	Organize Training Through Existing Active Programs (e.g. Police County Traffic Officers, So. Jersey Traffic Safety Alliance, Morris County Safety Committee, AAA) - Progress
3.4 Official Conference Proceedings	Distribute Safety Resources During Event
3.5 Promote Congestion Mitigation Locally	Develop Promotional Publication of Local Best Practices
3.6 Introduce ITS Concepts	Incorporate into State & Local Best Practice Session at the Work Zone Safety Conference
3.7 Provide Public Safety Training	4/1/04 – Work Zone Safety Awareness Conference 4/7 & 4/8 – Sponsor MAST Regional Pavement Marking Retro-reflectivity Workshop September 2004 – Schedule Intersection Safety Workshop

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Final Report	Integrate Results of Quarterly Reports into Final Format
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### 3. List of deliverables provided in this quarter by task (product date):

Task	Deliverables	Item/Date
1.1 MPO Forum Study	LTAP Library of Publications	International Roadway Safety Day – CAIT-LTAP Newsletter (3/04) Safety Conscious Planning Comes to NJ (5/04) LTAP Resources (5/04)
2.1 Survey Report	LTAP Library of Publications	Municipal Data Collection has continued during this period. Sample has increased to 305 respondents (Transaction Presentation 4/04 & Forum Publication 5/04)
3.1 Crash Data Training	Distribute Technical Information Arranging Speaking Engagements	Participated in the following NJTR-1/Police Manual Meetings: 3/2/04 GIS/GPS Integration Meeting 3/16/04 - MMUCCs Integration 5/3/04 - Revision of NJTR-1 5/25/04 - Revision of NJTR-1
3.2 Safety Conscious Planning Forum	Statewide Forum (1) Local Symposiums (15) Distribution of Technical Information Arranging Speaking Engagements	3/9/04 Forum Meeting 4/16/04 SCP Meeting 4/20/04 Transaction Presentation 5/5/04 Script Meeting 5/26/04 SCP Forum
3.5 Promote Congestion Mitigation Locally	Distribution of Technical Information Arranging Speaking Engagements Identify the Roles of Transportation Agencies During Events Discuss Roles & Responsibilities of Locals after an Event	3/17/04 – Work Zone Partnership Meeting 3/26-3/29 Life Savers Conference (Safe Communities) 4/1/04 - Work Zone Safety Conference
3.6 Introduce ITS Concepts	Distribution of Technical Information Arranging Speaking Engagements Identify the Roles of Transportation Agencies During Events Discuss Roles & Responsibilities of Locals after an Event	4/1/04 Work Zone Safety Conference 4/7 & 4/8/04 Pavement Marking & Retro-reflectivity Regional Workshop

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3.7 Provide Public Safety Training	Expanded list of subscribers Distribution of Technical Information Arranging Speaking Engagements Identify the Roles of Transportation Agencies During Events Discuss Roles & Responsibilities of Locals after an Event	3/9-3/12 – Worker Safety Training 3/16-3/19 – TCC Training 4/6-4/9 – NJDOT TCC Training
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#### 4. Progress on Implementation and Training Activities:

Training	Description
3.1 Crash Data Training	Participated in the following NJTR-1/Police Manual Meetings: 3/2/04 GIS/GPS Integration Meeting 3/16/04 - MMUCCs Integration 5/3/04 - Revision of NJTR-1 5/25/04 - Revision of NJTR-1
3.2 Safety Conscious Planning Forum	3/9/04 Forum Meeting 4/16/04 SCP Meeting 4/20/04 Transaction Presentation 5/5/04 Script Meeting 5/26/04 SCP Forum
3.7 Provide Public Safety Training	3/9-3/12 – Worker Safety Training 3/16-3/19 – TCC Training 4/6-4/9 – NJDOT TCC Training

**5. Problems/Proposed Solutions:** MPO Organizations have been working together to promote Safety Conscious Planning within their regions. NJTPA began offering local crash data analysis service for clients; however it is not as comprehensive as the project that Rutgers will build in conjunction with NJDOT. This group will also be hosting the statewide Safety Conscious Planning Forum in May.

Total Project Budget	\$741,836
<b>Modified Contract Amount:</b>	<b>\$752,433</b>
Total Project Expenditure to date	\$580,889
% of Total Project Budget Expended	77%

\* These are approximate expended amounts for the project; these estimates are for reference only and should not be used for official accounting purposes. For a more accurate project accounting please review the quarterly invoice for this project.